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662

VOLYNSKIY, S.S., dotsent

Meeting of the Moscow Scientific Medical Society of Stomatologists devoted to reports and reelections. Stomatologiya 42 no.2:107-108 Mr-Apr'63 (MIRA 17:3)

1. Uchenyy sekretar' Moskovskogo nauchnogo obshchestva stomatologov.

~~VOLYNSKIY, S.S., dozent~~

In memoriam Avraam Efimovich Verlotskii. Stomatologiya 41 no.4:106
Jl-Ag '62. (MIRA 15:9)

(VERLOTSKII, AVRAAM EFIMOVICH, 1890-1962)

VOLYNISKIY, S.V., dots. , S. 1

Functional state of the kidneys in gastric and duodenal ulcer.
Vrach. delo no.12:1345 D '57. (MIRA 11:2)

1. Kafedra bnutrennikh bolesney (zav. - prof. P.F.Frolov) Khar'-
kovskogo meditsinskogo stomatologicheskogo instituta.
(KIDNEYS) (PEPTIC ULCER)

VOLYNSKIY, T. [Volyns'kyi, T.]

Creators of health. Znan.ta pratsia no.3:18-19
Kr '60. (MIRA 13:6)
(Kharkov--Medical research)

TKACHENKO, N.A.; VOLYNSKIY, V.I.

Placing concrete for the span of a large bridge from suspended
units. Avt.dor. 26 no.4:12-14 Ap '63. (MIRA 16:4)
(Bridge construction) (Bridges, Concrete)

TKACHENKO, N.A.; VOLYNSKIY, V.I.; ABRAMKIN, I., red.

[Design and construction of a bridge built by the
cantilever concrete placing method] Proektirovanie i
stroitel'stvo mosta, sooruzhaemogo metodom navesnogo
betonirovaniia. Minsk, Belorusskoe respubl. pravleniie
NTO gor. khoz. i avtomobil'nogo transp., 1964. 155 p.
(MIRA 18:4)

VOLYN'SKIY, V.I.

PHASE I BOOK EXPLOITATION SOV/5510

Drozd, Yakov Ivanovich, Nikolay Alekseyevich Tkachenko, Il'ya Markovich Gel'man,
Vladimir Iosifovich Volynskiy

Opyt proyektirovaniya i stroitel'stva zhelezobetonnykh predvaritel'no
napryazhennykh mostov v Belorussii (Experience in the Design and Construction
of Prestressed Reinforced Concrete Bridges in Belorussia) Minsk, Redizdat
otdel EPI im. I. V. Stalina, 1960. 281 p. Errata slip inserted. 2,500
copies printed.

Sponsoring Agency: Ministerstvo vysshego, srednego spetsial'nogo i profes-
sional'nogo obrazovaniya BSSR. Belorusskiy politekhnicheskii institut
imeni I. V. Stalina.

Ed. (Title page): Ya. I. Drozd, Honored Scientist and Technologist BSSR;
Ed. of Publishing House: N.V. Kapranova; Tech. Ed.: P.T. Kuz'menok.

PURPOSE: This book is intended for designing engineers and manufacturers of
prestressed bridge components.

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Experience in the Design and Construction (Cont.)

SOV/5510

COVERAGE: The book provides a generalized discussion of experience gained in the production of prestressed bridge components and the assembly of prestressed bridges in Belorussia. Special attention is given to the production, preparation, and mounting of prestressed components. Chapters VI and VII were written by Ya. I. Drozd; Ch. III and the Appendixes by N.A. Tkachenko; Ch. II by I.M. Gel'fman; Chs. IV and V by V.I. Volynskiy. The authors thank Ya. D. Livshits, Doctor of Technical Sciences, Engineer I.I. Grigorovich, Head of the Gushosdor (Main Administration of Highways) of the Council of Ministers of the BSSR, and A.F. Kravukhin, Engineer. There are 37 references, all Soviet (including 2 translations).

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Foreword

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PART A. DESIGN SOLUTIONS

Ch. I. Purpose and Selection of the Design Layout of a Bridge

1. General considerations
2. Brief characteristic of the crossing site and the river regime
3. Geological conditions and the hydraulics of the crossing
4. Engineering norms and initial designing data

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Card 2/8

VOLYNSKIY, V.I., gornyy inzh.

Using borehole charges with air spaces in the breaking of
ore and fractured rock. Vzryv. delo no. 54/11:253-257 '64.
(MIRA 17:9)

1. Blyavinskiy rudnik.

VOLYNSKIY, V.I.; TKACHENKO, N.A.

Ways of improving the balanced erection method of concreting
during the building of large-span bridges. Avt. dor. 27
no.4:7-8 Ap '64. (MIRA. 17:9)

21396

S/120/61/000/002/006/042
E032/E114

9.7500

AUTHORS: Dayon, M.I., Volynskiy, V.Kh., and Potapov, L.I.

TITLE: A telescope of spark counters in a magnetic field;
an apparatus for measuring pulses of fast charged
particles

PERIODICAL: Pribery i tekhnika eksperimenta, 1961, No.2, pp. 47-52

TEXT: The design of the spark counters employed in this work is illustrated in Figs. 1 and 2. In Fig.2 the notation is as follows: 1 - perspex; 2 - glass; 3 - conducting layer; 4 - rubber, 5 - TiO_2 + Lac; 6 - Teflon or polystyrene. A pumping line is provided through which the counter can be evacuated and then filled with the required gas. The upper electrode is in the form of a conducting layer of SnO_2 and its thickness is 1.7 mm. The observation and photography of the spark discharge is carried out through the upper electrode. The lower electrode is in the form of an aluminium foil mounted on glass. The distance between the electrodes is 2 mm and depends on the size of the cylindrical inserts shown in Fig.2. Edge effects giving rise to breakdown are prevented by the TiO_2 lac coating. Dry air at 1 atm was at first

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E032/E114

A telescope of spark counters in a magnetic field: an apparatus for measuring pulses of fast charged particles

tried as the working gas, as suggested by J.E. Cranshaw and I.F. de Beer (Ref.3: Nuovo cimento, 1957, 5, No.5, 1107). However, air was found to be unsatisfactory because of spurious sparks and other effects. The final working gas was a mixture of dry air (dried with P_2O_5), argon (300 mm Hg) and C_2H_5N at a total pressure of 1 atm. Since perspex will gradually absorb pyridine, it is necessary to operate the counter with the pyridine vapour pressure very nearly at the saturation value. This is ensured by introducing about 1 cm³ of pyridine into the working volume in a special container. Fig.3 shows the circuit employed in testing and in efficiency measurements. The spark counter NC (IS) is placed in a telescope consisting of two sets of geiger counters GC (GS). When the particle passes through the system a positive pulse is produced by the coincidence circuit which triggers the TGI 1-325/16 (TGI 1-325/16) thyratrons. Two pulses (with opposite polarities) are produced at the points K and L when the two L-C lines discharge through the thyratrons.

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S/120/61/000/002/006/042
E032/E114

A telescope of spark counters in a magnetic field; an apparatus for measuring pulses of fast charged particles

They are 0.5 μ sec long and are applied to the plates of the spark counter. The pulses are delayed by about 1.0 μ sec relative to the entry of the particle. A constant clearing voltage (8 V) is also applied across the counter. Another circuit in which the counters were operated with exponential voltage pulses is shown in Fig.36 (J.E. Cranshaw and I.F. de Beer, Ref.3). The mechanical counter MC I was used to record the total number of twofold coincidences while the mechanical counter MC II recorded the number of spark counter operations. The spark discharge in the counter was recorded by the small microphone M. Argon-filled counters have also been investigated using the circuit shown in Fig.36 and the results will be described separately (V.Kh. Volynskiy, M.I. Dayon, A.K. Ponomov, PTE, 1961 (to be published) Ref.5). Fig.4 shows the efficiency of the present counter as a function of the applied voltage. This curve was obtained at room temperature (20 ± 3 °C). As a rule, the length of the plateau exceeds 1000 volts. This curve was obtained by triggering the thyatron system with pulses

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EO32/E114

A telescope of spark counters in a magnetic field: an apparatus for measuring pulses of fast charged particles

from a special oscillator. The second part of the present paper is concerned with the spark counter telescope placed in the magnetic field. The telescope consists of three counters placed in the gap of an electromagnet, gap size $60 \times 20 \times 10 \text{ cm}^3$. The maximum field was 6300 oe. The working area of each counter plate was $100 \times 200 \text{ mm}^2$. The spark discharge was photographed by three cameras on a single film as shown in Fig.5. The notation in Fig.5 is as follows: 1,2,3 - objectives; 4,5,6 - mirrors; 7,8,9 - coordinate grids; 10,11,12 - spark counters; 13,14,15 - geiger counters. The grids were specially illuminated so that the sparks could be seen against them and their coordinates easily measured. The voltage was applied to the spark counters when there was a coincidence between pulses from a series of three thin-walled geiger counters. It was found in about 97% of cases the root mean square distance of the spark from the particle trajectory was about 0.2 mm. The telescope has been used to measure the momenta of fast charged particles ($\sim 10^{10} - 10^{11} \text{ ev/c}$). A similar

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S/120/61/000/002/006/042

A telescope of spark counters ... E032/E114

arrangement has been described by P.G. Henning (Ref.8: Atomkern Energie, 1957, 3, 81) and O.C. Allkofer (Ref.9: Atomkern Energie, 1959, 10, 389). Acknowledgements are expressed to A.I. Alikhanyan for his interest in this work and to M.M. Veremeyev, V.B. Yelisseyev, S.S. Kulikov and A.K. Ponomov for assistance in the experiments. There are 7 figures and 9 references; 5 Soviet and 4 non-Soviet.

ASSOCIATION: Fizicheskiy institut AN SSSR
(Physics Institute, AS USSR)

SUBMITTED: February 26 1960

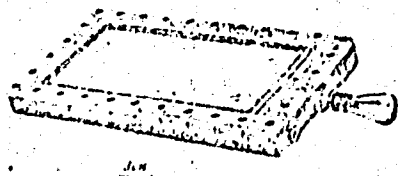


Рис. 1. Общий вид счетчика

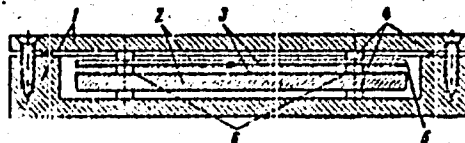


Рис. 2. Разрез счетчика, 1 -- плексиглас, 2 -- стекло, 3 -- проводящий слой, 4 -- резина, 5 -- TiO_2 + лак, 6 -- тефлон (или полистирол)

Fig. 2

Card 5/8

KAMALDINA, O.D.; VOLYNSKIY, V.Ye.

Preparation of vanillic acid for the synthesis of polymeric fibers.
Sbor.trud. NIIGS 11:106-118 '63. (MIRA 16:12)

VOLYNSKIY, Ya.M.

Immediate and late results of gastric resection in cancer. Vop.
onk. 6. 13. 11:99-101 N '60. (MIRA 14:1)
(STOMACH—CANCER) (GASTRECTOMY)

KRAYEV, I.N.; VOLYNSKIY, Yu.B.

All-Union conference of institutions for higher education on
measurements of the consumption of liquids, gases and granular
materials. Izv.tekh. no.9:56 S '65. (MIRA 18:10)

KRYMSKIY, L.D.; VOLYNSKIY, Yu.D.

Revision of the meaning included in the concepts of "tetrad,"
"pentad" and "triad" of Fallov. Vest. AMN SSSR no.4:70-78
165. (MIRA 18:10)

1. Institut khirurgii imeni A.V. Vishnevskogo AMN SSSR,
Moskva.

VISHNEVSKIY, A.A., prof.; MAZAYEV, P.N.; VINOGRADOV, V.V.; KULIYFVA,
Kh.D.; VOLYNSKIY, Yu.D.

Catheterization and contrasting of the celiac artery. Vest.
rent. 1 rad. 40 no.4:12-14 J1-Ag '65. (MIRA 18:9)

1. Institut khirurgii imeni A.V. Vishnevskogo (direktor - dey-
stvitel'nyy chlen AMN SSSR prof. A.A. Vishnevskiy) AMN SSSR,
Moskva.

KUDRYAVTSEVA, A.M. (Moskva, Leninskiy prosp., d. 87-a, korp.1, kv.52)
VOLYNSKIY, Yu.D.

Changes in the pulmonary circulation in patent ductus arterio-
sus. Grud. khir. 5 no.6:48-52 N-D*63 (MIRA 17:2)

1. Iz Instituta khirurgii imeni A.V.Vishnevskogo (direktor -
deystvitel'nyy chlen AMN SSSR prof. A.A. Vishnevskiy) AMN SSSR.

BURMENKO, Ye. G.; SMELOVSKIY, S. I.; VOROBYEV, M. M.; MAZAYEV, P. N.;
VOLYNSKIY, Yu. D.

Angiopneumography in mitral stenosis. Eksper. khir. no. 3:30-36
'62. (MIRA 15:7)

1. Iz Instituta khirurgii imeni A. V. Vishnevskogo (dir. -
deystvitel'nyy chlen AMN SSSR prof. A. A. Vishnevskiy) AMN SSSR.

(MITRAL VALVE---DISEASES) (ANGIOGRAPHY)
(LUNGS---RADIOGRAPHY)

VOLINSKIY, Yu.D.; BAGRAMYAN, I.G.; TSYB, A.F.; BYKOV, G.A.

Characteristics of the systolic phase of the right ventricle
in patients with acquired heart defects. Izv. AN Arm. SSR.
Biol. nauki 16 no.7:53-62 J1 '63. (MIRA 16:11)

1. Institut khirurgii imeni A.V. Vishnevskogo AMN SSSR,
Moskva i Institut kardiologii i serdechnoy khirurgii AMN
SSSR.

MALYAVIN, G.T.; VOLYNSKIY, Yu.D.

Clinical aspects and treatment of Fallot's tetralogy with left-right blood shunt. Grud. khir. 5 no.5:19-24 S-0 '63.

(MIRA 17:8)

1. Iz otdeleniya khirurgii serdtsa (zav. - doktor med. nauk N.K. Galankin) Instituta khirurgii imeni A.V. Vishnevskogo (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Vishnevskiy) AMN SSSR. Adres avtorov: Moskva, Bol'shaya Serpukhovskaya ul., d.27. Institut khirurgii imeni Vishnevskogo.

KULIYEVA, Kh.D.; VINOGRADOV, V.V.; SARKISOV, D.S.; VOLYNSKIY, Yu.D.

Posttraumatic thrombosis of the portal vein with the development of cirrhosis and hepatoma of the liver. Azerb. med. zhur. 41 no.8:69-72 Ag '64. (MIRA 18:11)

1. Iz Instituta khirurgii imeni Vishnevskogo AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR, prof. A.A. Vishnevskiy).
Submitted November 22, 1963.

KULIYEVA, Kh.D. (Moskva, 1-y Baltiyskiy pereulok 2/25, komnata 231); MAZAYEV,
P.N.; VINOGRADOV, V.V.; VOLYNSKIY, Yu.D.

Selective intravital splenic angiography. Vest. khir. 92 no.3:64-66
Mr '64. (MIRA 17:12)

1. Iz Instituta khirurgii imeni A.V.Vishnevskogo (dir. - prof. A.A.
Vishnevskiy) AMN SSSR.

VINITSKAYA, R.S.; VOLINSKIY, Yu.D.

Dependence of oxygen requirements of the tissues on the minute volume of the blood flow and arterial blood pressure under conditions of artificial blood circulation. Eksper. khir. 5 no.6:47-52 N-D '60. (MMA 14:2)

(OXYGEN IN THE BODY)

(BLOOD PRESSURE)

(BLOOD CIRCULATION, ARTIFICIAL)

VISHNEVSKIY, A.A., prof.; GALANKIN, N.K., doktor med. nauk; ARAPOV, A.D.;
 AKHMETOV, A.M.; VIRITSKAYA, R.S., kand. biol. nauk; VOLYNSKIY,
 Yu.D.; DARBINYAN, T.M., kand. med. nauk; DONETSKIY, D.A., kand.
 med. nauk; KLEMENOVA, Ye.S.; KUDRYAVTSEVA, A.M., kand. med. nauk;
 KRYMSKIY, L.D., kand. med. nauk; LOKSHINA, K.A.; MAZAYEV, P.N., prof.; PANOVA,
 Yu.M.; PROMTOVA, T.N., kand. biol. nauk; FYL'TSOV, I.M.; SERGEYEVA,
 K.A., kand. med. nauk; KHARNAS, S.Sh., kand. med. nauk; KHRUSHCHEVA,
 kand. med. nauk; TSUKERMAN, B.M., kand. biol. nauk; SHIK, L.L.,
 prof.; GOL'DGAMMER, K.K., red.; BALDINA, N.F., tekhn. red.

[Congenital defects of the heart and large vessels] Vrozhdennye po-
 roki serdtsa i krupnykh sosudov; rukovodstvo dlia vrachei. Mo-
 skva, Medgiz, 1962. 577 p. (MIRA 16:1)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
 Vishnevskiy).

(CARDIOVASCULAR SYSTEM--DISEASES)

MAZAYEV, P.N.; VOROPAYEV, M.M.; KOPEYKO, I.P.; ALIPOV, G.V.; VOLYNSKIY, Yu.D.

Sounding and angiopneumography (general and selective) in pulmonary tuberculosis. Eksper. khir. 4 no.6:26-29 N-D '59. (MIRA 14:6)

1. Iz Instituta khirurgii imeni A.V.Vishnevskogo (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.Vishnevskiy) AMN SSSR i Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. V.F.Chernyshev) Ministerstva zdravookhraneniya RSFSR.
(TUBERCULOSIS) (LUNGS—RADIOGRAPHY)

BURAKOVSKIY, V.I.; VOLYNSKIY, Yu.D.

"Secondary" stenosis of the pulmonary artery. Grad. khir. 1
no.5:24-31 S-0 '61. (MIRA 15:3)

1. Iz Instituta khirurgii imeni A.V. Vishnevskogo AMN SSSR
(dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Vishnevskiy).
Adres avtorov: Moskva, B.Serpukhovskaya ul.,d.27. Institut
khirurgii imeni A.V. Vishnevskogo.
(PULMONARY ARTERY--SURGERY)

KHARNAS, S.Sh.; VINITSKAYA, R.S.; VOLYNSKIY, Yu.D.

Mechanism of acute dilatation of the heart under conditions of
artificial circulation. Eksp.khir.i anest. 6 no.1:19-21 '61.
(MIRA 14:10)

(PERFUSION PUMP (HEART)) (HEART---HYPERTROPHY AND DILATATION)

VOLYNSKIY, Yu.D.; BYKOV, G.A. (Moskva)

Method of puncturing the left atrium through the interauricular
septum. Eksper. khir. i anest. no.2:16-18'63. (MIRA 16:7)
(CARDIAC CATHETERIZATION)

SHIK, L.L.; VINITSKAYA, R.S.; VOLYNSKIY, Yu.D.; KHARNAS, S.Sh.

Significance of changes in oxygen consumption in artificial blood circulation under experimental conditions. Vest. AMN SSSR 16 no.8: 24-27 '61. (MIRA 14:12)

1. Institut khirurgii imeni Vishnevskogo AMN SSSR.
(BLOOD CIRCULATION, ARTIFICIAL)

MAZAYEV, P.N.; MOLOKANOV, K.P.; KONCHALOVSKAYA, N.M.; VOROPAYEV, M.M.;
VOLYNSKIY, Yu.D.; KARMAZIN, V.P.; GLOTOVA, K.V.; SAMSONOVA, N.F.

Hemodynamics of the pulmonary circulation in silicosis patients
based on data of angiopulmonography and catheterization of the
right cardiac cavities and pulmonary artery. Vest.rent. i rad. 40
no.5:3-8 S-O '65. (MIRA 13:12)

1. Institut gigiyony truda i profzabolevaniy AMN SSSR i Institut
khirurgii imeni A.V.Vishnevskogo AMN SSSR, Moskva.

KULIYEVA, Kh.D.; VOLYNSKIY, Yu.D.

Methodology of guided catheterization of the hepatic veins.
Eksp. khir. i anest. 8 no.4:28-29. JI-Ag '63. (MIRA 17:5)

1. Institut khirurgii imeni A.V. Vishnevskogo (direktor-deyatvitel'-
nyy chlen AMN SSSR prof. A.A. Vishnevskiy) AMN SSSR.

VOLYNSKIY, Yu.D.

Types of intracardiac pressure curves in some diseases of the heart and large vessels. Eksp. khir. i anest. 7 no.6:9-13 N-D
(MIRA 17:10)
'62.

1. Iz Instituta khirurgii imeni A.V. Vishnevskogo (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Vishnevskiy) AMN SSSR.

VOLYNSKIY, Z.M.; MIKUSHKIN, M.K.

Utilization of an experimental form of hypertension in the evaluation of the effectiveness of Schisandra chinensis in atherosclerosis. Biul. eksp. biol. i med. 50 no. 11 '66-70 N '60. (MIRA 13:12)

1. Iz kafedry gosptal'noy terapii No. 2-Nachal'nik - prof. Z.M. Volynskiy) Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova, Leningrad.
(SCHISANDRA) (HYPERTENSION) (ARTERIOSCLEROSIS)

VOLYNSKIY, V. L.

"Mechanization and Improvements in Casting Methods at the "Izostankolit" Plant," p. 184. in book Mechanization and Automatic Control of Founding Processes, Leningrad, 1957, 224pp.

VOLYNSKIY, V.L., inzh.; BARANOV, I.A., red.; MOLOTOV, A.A., tekhn.red.

[Technology of preparing semicontinuous molds and broadening the field of their application; practices of the "Lenstankolit" plant]
Tekhnologiya izgotovleniya polupostoiannykh form i rasshirenie oblasti ikh primeneniia; opyt zavoda "Lenstankolit." Leningrad, 1955. 10 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Informatsionno-tekhnicheskii listok, no.68(756)) (MIRA 10:12)
(Founding)

VOLYN SKY, V.N.

28(1),25(1) PHASE I BOOK EXPLORATION 50V/2831

Mekhanizatsiya i avtomatizatsiya trudovskikh protsessov i literaturnye prikladnye (Mechanization and Automation of Labor-consuming Processes in Foundry Practices) Moscow: Mashgis, 1959. 226 p. Kiretskiy insert. 4,000 copies printed.

Reviewer: K. N. Stebnikov, Candidate of Technical Sciences; Ed. (Title page): G. I. Kobylinskiy (Deceased); Ed. (Inside Book): K. N. Stebnikov, Candidate of Technical Sciences; Tech. Ed.: O. V. Serebrenikova; Managing Ed. for Literature on the Technology of Machinery Manufacture (Leningrad Division, Mashgis): Ye. P. Kuznetsov, Engineer.

PURPOSE: The book is intended for technical personnel in foundries and engineers engaged in the mechanization and automation of industrial processes. It may also be used by students of institutions of higher technical education.

COVERAGE: The book deals with recent achievements in the mechanization and automation of the foundry process. It covers the mechanization and automation of foundry processes. Specific instances of mechanization and automation of foundry processes are described. The material presented in this book is divided into six parts, dealing with the following subjects: molding materials, mold and coremaking, casting methods, finishing of castings, and special casting methods. Each part consists of a number of technical papers presented by several authors. The application of automation ranges from the preparation of molds and cores to the mechanization and streamlining of specialized casting methods, such as investment casting and the use of shell molds. There are numerous diagrams showing automated and mechanized installations in foundries. Most of the material is based on experiments and work done at the "Krasnyy Almaz" Plant. Some of the methods described appear to be in the experimental stage at this plant. The technical papers published in this book were originally presented at a technical conference of the Soviet Machine Industry in October 1957. No personalities are mentioned.

Yegorov, P. P. Constructions of New Molding Machines	68
Plamen, I. I. Installation for Molding Cast Iron With Magnesium Under Pressure	113
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Dolberg, Z. A. Mechanization and Automation of Investment Casting	176
Belomestov, M. M. Recent Non-Soviet Achievements in the Automation and Mechanization of Die Casting	188
Lurys, I. I., M. P. Borovskiy, G. P. Nikitin, A. L. Zaytsev, and V. I. Ponomarev. Mechanization of the Production of Small High-pressure Castings in Pressed Bakelite-base Shell Molds	202
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VOLYNSKIY, V.P., starshiy leytenant.

Commander and innovator. Vest.Vozd.Fl 39 no.11:19-22 '56.
(MIRA 10:3)

(Zholudev, Leonid Vasil'evich,)

VOLYNSKIY, Ye. A.

AUTHORS: Rybnikov, V.A., Volynskiy, Ye.A., Vodop'yanov, G.V. 131-3-5/16

TITLE: The Employment of Highly Aluminous Bricks in the Head-Pieces of the Regenerators of Open-Hearth Furnaces (Sluzhba vysokoglinozemistogo kirpicha v nasadkakh regenerátorov martenovskikh pechey)

PERIODICAL: Ogneupory, 1958, Vol 23, Nr 3, pp 109-111 (USSR)

ABSTRACT: Highly aluminous bricks were built into the regenerators of an 80 t open-hearth furnace, where they were tested. The open-hearth furnace worked with solid case-hardened material and was heated with oil. The bricks, which were produced by the Semiluksk plant for refractories, were placed into the 12 top rows of air-head-pieces, where temperatures of 1350-1420° and 1500° were attained. These bricks were found to be superior to fire clay bricks. Furthermore, the chemical composition and properties of highly aluminous bricks are given as well as their structure. According to calculated data these bricks contain 61% mullite, 22% siliceous glass, and 17% corundum, which must be looked upon as unfavorable because siliceous glass has a low viscosity when liquefied. The presence of 22% siliceous glass is indicative of a not completed reaction be-

Card 1/2

The Employment of Highly Aluminous Bricks in the
Head-Pieces of the Regenerators of Open-Hearth Furnaces

131-3-5/16

tween clay and technical alumina. The bricks contain much corundum, not enough mullite, and an excess quantity of glass, which reduces their slag-resistance. The bricks withstood 705 smelts, i.e. twice as many as ordinary fire clay bricks. After having been used the bricks of the uppermost row had a considerable amount of slags and showed much wear; three different zones could be distinguished (see table), which are described in detail. The following conclusions are drawn: 1.) The highly aluminous bricks showed great durability and were found to be superior to Forsterite-, Chromodinas- and fire clay bricks. 2.) The main cause of wear is the destruction of their mullite phase and the simultaneous formation of phases of low resistance at high temperatures. The phases Fe_2SiO_4 , Zn_2SiO_4 and $\text{FeO} \cdot \text{Fe}_2\text{O}_3$ are concerned here. Better results may be expected from using refractory-mullite, corundum-mullite, or corundum products, which contain smaller quantities of silicon oxide. There is 1 table and 1 Soviet reference.

ASSOCIATION: Leningrad Institute for Refractories (Leningradskiy institut ogneporov)

AVAILABLE: Library of Congress

Card 2/2 1. Refractory materials-Test results 2. Open hearth furnaces-Equipment

15(2)

AUTHORS:

Rybnikov, V. A., Volynskiy, Ye. A.

SOV/131-59-4-8/16

TITLE:

The Action of Chromoaluminous Bricks in the Checker Chambers of Open-hearth Furnaces (Sluzhba khromoglinozemistogo kirpicha v nasaqkakh regenerátorov martenovskikh pechey)

PERIODICAL:

Ogneupory, 1959, Nr 4, pp 171-172 (USSR)

ABSTRACT:

In the Izhora works chromoaluminous bricks were tested which had been produced in the Semiluki refractories works. T. S. Lebedeva and V. F. Zamsh assisted in this investigation (Ref 1). The test bricks were built into the upper 3-6 rows of the checker chambers of two Open-hearth Furnaces which were operating on a solid layer and were heated with mazut. The maximum temperature in the checker chambers was 1400-1550° and the stability of the test bricks amounted to 368 to 377 melts. After 368 melts samples were taken from these bricks, and it was found that those from the first checker row were considerably scorious and bloated. The chemical composition of these bricks is given in the table and shows that they were considerably saturated with iron, silicon, calcium and alkali metal oxides after 368 melts. Conclusions: The chromoaluminous bricks of the upper rows of the checker chambers are

Card 1/2

The Action of Chromoaluminous Bricks in the
Checker Chambers of Open-hearth Furnaces

SOV/131-59-4-8/16

considerably intergrown with melting dust after work and show cracks and bloatings which cause a premature aging of the Martin furnaces. In order to obtain better working results of these bricks in the checker chambers a reliable method of their cleaning must be devised, the heat resistance of the bricks increased and their bloating reduced. There are 1 table and 3 Soviet references.

ASSOCIATION: Vsesoyuznyy institut ognepetrov (All-Union Institute of Refractories), Izhorskiy zavod (Izhora Works)

Card 2/2

RYBNIKOV, V.A.; VOLYN'SKIY, Ya.A.; VODOP'YANOV, G.V.

Life of high alumina firebrick in open hearth furnace regenerator
checkers. Ogneupory 23 no.3:109-111 '58. (MIRA 11:4)

1. Leningradskiy institut ogneuporov (for Rybnikov). 2. Ishorskiy
zavod (for Volyn'skiy, Vodop'yanov).
(Firebrick) (Open-hearth furnaces)

VOLYNSKIY, Ye.A

BLUVSHTEYN, M.H.; VOLYNSKIY, Ye.A.; VODOP'YANOV, G.V.

Production and use of unburned magnesite-chrome bricks for the crown of Izhora plant open-hearth furnaces. Ogneupory 22 no.2: 35-64 '57. (MLRA 10:4)

1. Leningradskiy Institut ogneuporov (for Bluvshhteyn). 2. Izhorskiy zavod (for Volynskiy, Vodop'yanov).
(Firebrick) (Izhora Valley---Open hearth furnaces)

VOLYNSKIY, Z.M.

PROCESSES AND PROPERTIES INDEX

CA

11A

Effect of ascorbic acid on the state of the liver in acute disorders. Z. M. Volynskii. *Klin. Med. (U.S.S.R.)* 23, No. 9, 46-55 (1945).—Ascorbic acid (I) is a valuable accessory agent in the treatment of acute disorders of the liver. Intravenous administration of 100-200 mg. of I. in acute epithelial hepatitis led to a decrease of blood bilirubin for about 1-3 hrs. No hemolytic action was observed. Study of urobilinuria in rabbits was conducted with the aid of CCl₄ (0.1-0.5 g./kg.) in rabbits and with or without the addition of 10-25 mg. I. (subcutaneously). I. caused a lesser elimination of urobilin in comparison with CCl₄ alone (all expts. showed much individual variation). In CCl₄-induced hepatitis the glycemic curves after administration of I are little changed from normal, while in the absence of I they acquire a more and more pathological quality. On the basis of tests with galactose it appears that I tends to raise the poisoning threshold of the liver by CCl₄. Liver glycogen in CCl₄-ascorbic acid treated animals was about 2.5%, while CCl₄ controls gave but 1.4%; the I levels in the liver were 12.2 mg.-% and 7.4 mg.-% resp.

G. M. Koudachoff

AD-11A METALLURGICAL LITERATURE CLASSIFICATION

1945

VOLYNSKIY, Z. M.

37585. Klinicheskii sindrom anevrizmy levogo zheludochka serdtsa. Novosti seditainy, VTP.
15, 1949. s. 32-37.

SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949

c A VOLYNISKIY, Z.M.

Effect of ascorbic acid on protein-nitrogen metabolism in experimental damage of the liver. Z. M. Volynskii. *Arkh. Patol.* 12, No. 6, 30-4(1930).—RABBITS whose liver was damaged by CCl₄ administration display an increase of polypeptide level in the urine and blood, which may be used as an index of extent of liver cell damage. Administration of ascorbic acid is an effective measure for decreasing the magnitude of this disturbance by enhancing the proteolytic and deaminating functions of the liver. A 50 mg. daily dosage along with the CCl₄ injections gave a clear indication of the protective action of ascorbic acid. G. M. K.

VOLYNSKIY, Z.M., professor; ISAKOV, I.I.; YAKOVLEV, S.I.; KEYZER, S.A.

Characteristics of arterial pressure in inhabitants of Leningrad during the postwar years and normal blood pressure. Terap. arkh. 26 no.3:3-9 My-Je '54. (MLRA 7:9)

1. Iz Voenno-morskoy meditsinskoy akademii
(BLOOD PRESSURE, statistics,
Russia)

VOLYNSKIY, Z.M., prof.; TKACHEV, V.P., kand.med.nauk

Use of radioactive iodine in coronary circulation disorders; clinical and experimental investigations. Terp.arkh. 31 no.9:12-20 S '59.
(MIRA 12:11)

1. Iz kafedry gosptal'noy terapii No.2 Voenno-meditsinskoy ordena
Lenina akademii imeni S.M. Kirova (nach. - prof. Z.M. Volynskiy).
(CORONARY DISEASE ther.)
(IODINE radioactive)

VOLYNSKIY, Z.M., polkovnik meditsinskoy sluzhby, professor

Diagnostic and medical significance of radioactive isotopes in the
clinical picture of internal diseases. Voen.-med. zhur. no.3:64-
69. Nr '60. (MIRA 14:1)

(RADIOISOTOPES)

VOLYNSKIY, Z.M., prof. (Leningrad)

Attack on atherosclerosis. "dov'e 6 no,10:7-8 0 '60.

(MIRA 13:9)

(ARTERIOSCLEROSIS)

(ANICHKOV, NIKOLAI NIKOLAEVICH, 1885-)

VOLYNSKIY, Z.M., prof.; GOGIN, Ye.Ye., kand.med.nauk; SOLOV'YEVA, V.S.,
kand.med.nauk

Diffuse pericarditis in myocardial infarct. Kardiologiya 1 no.6:
58-66 N-D '61. (MIRA 15:1)

1. Iz kafedry voyenno-morskoy i gosptal'noy terapii (nachal'nik
prof. Z.M.Volynskiy) Voenno-meditsinskoy ordena Lenina akademii
imeni S.M.Kirova.
(HEART--INFARCTION) (PERICARDITIS)

VOLYNSKIY, Z. M., prof.; SOLOV'YEVA, V. S., kand. med. nauk

Paroxysmal form of cardiac fibrillation in patients with atherosclerotic cardiosclerosis. Terap. arkh. no.7:10-16 '61.
(MIRA 15:2)

1. Iz kafedry gosptal'noy terapii No. 2 (nach. - prof. Z. M. Volynskiy) Voenno-meditsinskoy ordena Lenina akademii imeni S. M. Kirova.

(CORONARY HEART DISEASE) (ARRHYTHMIA)

VOLYNSKIY, Z.M., prof. (Leningrad)

Materials for the diagnosis of myocardial infarction. Kardiologia
2 no.6:49-54 N-5:62. (MIRA 17:8)

VOLYNSKIY, Z.M., prof.; GILYAREVSKIY, S.A., prof.;
 GEFTER, A.I., prof.; DEMIN, A.A., prof.; ZELENIN, V.F., prof.;
 ISTAMANOVA, T.S., prof.; KEDROV, A.A., prof.; MESHALKIN, Ye.H.,
 prof.; KEDROV, A.A., prof.; MESHALKIN, Ye.N., prof.; SAVITSKIY,
 N.N., prof.; FOGEL'SON, L.I., prof.; KHVILIVITSKAYA, M.I., prof.;
 LUKOMSKIY, P.Ye., prof., red. toma; MYASNIKOV, A.L., prof., otv.
 red.; TAREYEV, Ye.M., prof., zam. otv. red.; BAGDASAROV, A.A.,
 prof.[deceased], red.; BARANOV, V.G., prof., red.; VOVSII, M.S.,
 prof., red.[deceased]; IVANOV, V.N., prof., red.[deceased];
 KURSHAKOV, N.A., prof., red.; MOLCHANOV, N.S., prof., red.;
 NESTEROV, A.N., prof., red.; SPERANSKIY, I.I., prof., red.
 [deceased]; ZAMYSLOVA, K.N., prof., red.; PERCHIKOVA, G.Ye.,
 kand. med. nauk, red.; ERINA, Ye.V., kand. med. nauk, red.;
 LYUDKOVSKAYA, Yu.S., tekhn. red.; BEL'CHIKOVA, Yu.S., tekhn.red.

[Multivolume manual on internal diseases]Mnogotomnoe rukovodstvo
 po vnutrennim bolezniyam. Otv. red. A.L.Miasnikov. Moskva,
 Medgiz. Vol.1. [Diseases of the cardiovascular system]Bolezni
 serdechno-sosudistoi sistemy. Red. toma: P.E.Lukomskii i N.N.
 Savitskii. 1962. 686 p.
 (MIRA 15:12)

(Continued on next card)

VOLYNSKIY, Z.M., prof.; GOGIN, Ye.Ye., kand. med. nauk

Modern concepts of pericarditis. Kardiologiya 3 no.5:84-90
S-0 '63. (MIRA 17:9)

1. Kafedra voyenno-morskoy i gosptal'noy terapii (nachal'nik - prof.
Z.M. Volynskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni
S.M. Kirova.

VOLYNSKIY, Z.M.

Radioactive isotopes in clinical and experimental cardiology.
Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:507-510 '63.
(MIRA 17:7)

1. Kafedra gospiatal'noy terapii Voenno-meditsinskoy akademii
Leningrad.

VOLYNSKIY, Zinoviy Moiseyevich; GOGIN, Yevgeniy Yevgen'yevich;
SECHERBA, M.M., red.

[Diseases of the pericardium] Zabolevaniia perikarda.
Leningrad, Meditsina, 1964. 303 p. (MIRA 18:1)

VOLYNSKIY, Z.M., prof.; SIPOVSKIY, P.V., prof. [deceased]; GOGIN, Ye.Ye.;
CHIGIRINSKIY, A.N.

Statistical data on the frequency of the incidence of pericardial diseases. Kardiologiya 5 no.2:45-51 Mr-Apr '65.
(MIRA 18:7)

1. Kafedra voyenno-morskoy i gospital'noy terapii (nachal'nik prof. Z.M.Volynskiy) Voennomeditsinskoy ordena Lenina akademii imeni S.M.Kirova i kafedra patologicheskoy anatomii (zav. - prof. P.V.Sipovskiy [deceased]) Leningradskogo ordena Lenina instituta usovershenstvovaniya vrachey imeni S.M.Kirova.

VOLYNSKIY, Z.M., prof.; MIKUSHKIN, M.K.

Intrauterine disorder of cholesterol metabolism and development of
lipoidosis in the fetus; experimental study. Kardiologiya 4
no.6:21-24 N-D '64. (MIRA 18:8)

1. Kafedra voyenno-morskoy i gosspital'noy terapii (nachal'nik -
prof. Z.M.Volynskiy) Voyenno-meditsinskoy ordena Lenina akademii
imeni S.M.Kirova, Leningrad.

VOLYNSKY, I. S.

USSR/Minerals
Nickel Ores

Mar 1946

"The Mineralogy of the Sulphide Segregations in the
Novo-Aldyrlia Nickel Deposit," I S Volynsky, 12 pp

"Zap Mineral Obshch USSR" Vol 65, No 3

An analysis of the silicate, sulphide and mixed super-
gene nickel ores occurring in the Novo-Aldyrlia deposit
in the South Urala

2169

100 AND 6TH FLOORS

1ST AND 2ND FLOORS

PROCESSING AND PROPERTIES INDEX

PC

Break-up of drops in an air stream. H. S. Volynsky (*C. H. Acad. Sci., U.S.S.R.*, 1946, 66, 301-304).—Drops of known size of various liquids were allowed to fall past the orifice of a horizontal tube through which air streamed at controlled rates of flow. The break-up of the drops was studied photographically and also by catching them in castor oil, followed by microscopical examination. At a certain critical rate of flow the drops became unstable and broke up. With d the original diameter in m., ρ density of the air in kg. per cu. m., c the capillary const. of the liquid in air in kg. per m., V_0 m. per sec. the rate of flow at the lower limit of stability (i.e., when only 10-20% of the drops broke up), and V_{100} the rate at the upper limit of stability (i.e., when all the drops just broke up), a dimensionless value $D = \rho V_0^2 d^3 / c$ was found to be a const. (14) for all the liquids (Hg, water, tetrabromosthane, benzene, ethanol, and benzole). At the lower limit of stability the corresponding value was 10.7.

G. S. SMITH.

ASAC-SEA METALLURGICAL LITERATURE CLASSIFICATION

BOOK SYMBOLS

SYMBOLS FOR UNIT

SYMBOLS

SYMBOLS FOR UNIT

VOLYNSKY, N. P.

Sergievskaia, S. I., and Volynsky, N. P.,- "ac-Tetrahydronaphthoic and ac-Tetrahydrothionaphthoic Acids and Their Derivatives" (p. 331)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1952, Vol. 22, No. 2

VOLYNSKIY, P.N., redaktor; TOKER, A.M. tekhnicheskiy redaktor.

[Instructions for the operation of MA-49, MA-50 and BA-49 rolling mills for rolling cold flattened steel with variable cross sections] Instruktsiia po ekspluatatsii stanov MA-49, MA-50 i BA-49 dlia prokata kholodnosplushchennoi salli periodicheskogo profilja. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekt., 1954. 18 p. (MIRA 8:7)

1. Russia (1923- U.S.S.R) Ministerstvo stroitel'stva.
Tekhnicheskoye upravleniye.
(Rolling mills)

VOLYNSKIY, V. G.

23641.

O POKAZANIYAKH K IZVLECHENIYU INORODNYKH TELPRI SLEPHYKH OGNESTREL'NYKH RANENIYAKH
MYAGKIKH TRANEY. TRUDY SARAT. GOS. MED. IN-TA, T. VIII, 1949, s. 181-87.—
BIBLIOGR: 9 NAZV.

SO: LETOPIS' NO. 31, 1949

VOLYNSKIY, Ye., inzhener

Mine operating entirely on a continuous work cycle basis. Mast.
ugl.4 no.7:13-15 J1 '55. (MIRA 8:10)
(Voroshilovgrad Province--Coal mines and mining)

VOLYNSKIY, Z.M.

Effect of ascorbic acid on the protein-nitrogen metabolism in
experimental diseases of the liver. Arkh. pat., Moskva 12 no.
6:30-35 Nov-Dec 50. (CML 20:4)

1. Of the Department of Faculty Therapy (Head--Active Member of
the Academy of Medical Sciences USSR Prof. A.L. Myasnikov) VNMA,
Leningrad.

VOLYNSKIY, Z.M., prof.

Treatment of angina pectoris with intrathoracic novacaine and atropine injection. Terap.arkh.27 no.3:56-62 '55. (MLBA 8:9)

1. Iz kafedry gosital'noy terapii Voenno-Morskoy meditsinskoy akademii.

(ATROPINE, therapeutic use,
angina pectoris, with procaine, intrathoracic admin.)
(PROCAINE, therapeutic use,
angina pectoris, with atropine, intrathoracic admin.)
(ANGINA PECTORIS, therapy,
atropine with procaine, intrathoracic admin.)

BIRYUKOV, A.V., inzh.; PODARUYEV, A.I., inzh.; KHODNEV, V.V., inzh.;
BORISOV, V.A., inzh.; VOLYNTSEV, F.I., inzh.; KATS, Z.D., inzh.

Contactless transistorized protection system for 6-10 kv.
distribution units. Elektrotehnika 36 no.4:7-11 Ap '65.
(MIRA 18:5)

VOLYNTSEV, N.A.; SILINA, I.Kh.

Alkali solution of ceramic residues in precision-cast parts.
Lit. proizv. no.6:40-41 Je '63. (MIRA 16:7)

(Precision casting) (Metal cleaning)

DORONIN, D.M.; LOPATINA, M.S.; RAKHIMOVA, N.N.; VOLYNTSEV, N.S.;
BOTOV, R.

New designs of pneumatic grinding machines. Prom.energ. 15
no.4:15 Ap '60. (MIRA 13:6)
(Grinding machines)

KEYMAKH, L.I., inzh.; VOLYNTSEV, V.A.; LARIONOV, V.A., retsenzent;
SHELKOVNIKOV, S.G., retsenzent; KRYLOV, B.A., kand. tekhn.
nauk, nauchmyy red.; SHIROKOVA, G.M., red.izd-va; BOROVKEV,
N.K., tekhn. red.

[Construction of high reinforced concrete structures] Stroitel'-
stvo vysoknykh zhelezobetonnykh sooruzhenii. Moskva, Gosstroi-
izdat, 1962. 278 p. (MIRA 15:12)
(Reinforced concrete construction)

✓
BEL'SKIY, V.I.; BORISOV, B.V.; VOLYNTSEV, V.A.; GOYKOLOV, Ye.F.; ZHOVNI-
ROVSKIY, M.V.; ISSERS, A.Ye.; MAKAROV, N.S.; ROTNITSKIY, M.L.;
TEBEN'KOV, B.P.; TROITSKIY, V.A.; CHERNOV, A.V., inzh.; AGURIN,
A.P., nauchnyy red.; SOLODENNikov, L.D., nauchnyy red.; TOLKACHEV,
P.I., nauchnyy red.; KHLUDYEVA, Ye.O., red.isd-va; EL'KINA, E.M.,
tekhn.red.

[Handbook on special operations; construction of industrial
furnaces] Spravochnik po spetsial'nym rabotam; sooruzhenie pro-
myshlennykh pechey. Pod red. A.V.Chernova. Izd.3., ispr. i dop.
Moskva, Gos.isd-vo lit-ry po stroit., arkhitekt. i stroit.materialam,
1960. 694 p. (MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
"Teploproyekt."
(Furnaces--Construction)

VOLYNTSEY, V.

VOLYNTSEY, V

A

N/5
661.6
.052

Kirpichnyye Dymovyye Truby (Brick Chimneys, by) A. V. Chernov i V. A.
Volyntsey. Moskva, Gosstroyizdat, 1955.
127 p. Illus., Diagr.

1. VOLYNTSEV, V. A. ; SOLODETSKOV, L. D.; SEREERENNIKOV, S. S.
2. USSR (600)
4. Concrete Construction - Formwork
7. Experience in Building silo--type structures with interchangeable standard metal forms, Stroi. prom. 31 No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

EDELEV, Nikolay Petrovich, kand.tekhn.nauk; VOLYNISEV, V.A., inzh., nauchn.red.;
SHIROKOVA, G.M., red. izd-va; MOCHALINA, Z.S., tekhn. red.

[Constructing chimneys of brick blocks] Opyt stroitel'stva
dymovykh trub iz kirpichnykh blokov. Moskva, Gos. izd-vo
lit-ry po stroit., arkhitekt. i stroit. materialam, 1961. 58 p.
(MIRA 15:2)

(Chimneys)

VOLYNSKIY, V.L.

123-1-393

Translation from: Referativnyy Zhurnal, Mashinostroyeniye, 1957,
Nr 1, p. 67 (USSR)

AUTHOR: Volynskiy, V.L.

TITLE: Improving Labor Productivity at the "Lenstankolit"
Plant (Iz opyta raboty po povysheniyu proizvoditel'nosti
truda na zavode "Lenstankolit")

PERIODICAL: In sbornik: Povysheniye proizvoditel'nosti truda v
liteynom proiz-ve, Moscow-Leningrad, Mashgiz, 1955, pp. 115-122.

ABSTRACT: Improved technological processes made it possible for the
plant to increase its output of castings by 86%, the
efficiency of its molders by 77%, and reduce casting
rejects to 3.8%. These results were due to the following:
1) the use of semi-permanent molds and copes which in-
creased the number of pourings to 15; 2) the application

Card 1/2

123-1-393

Improving Labor Productivity at the "Lenstankolit" Plant (Cont.)

of a combined molding method for parts with rotating outer surface sections, in which the main part is cast in floor molds, and the rest - by pattern casting; 3) by making use of sectional, readily removable dead heads, metal consumption was reduced from 30% to 10% of the weight of the castings; 4) by increasing the pressure of the water stream used in hydraulic descaling to 100 atm from the original 35 atm the throughput of the descaling unit was raised to 3.6 ton/hour as compared to its former output of 1.5 t/h.; 5) by using single-cable grab buckets for digging trenches for floor molds, a method which makes it possible to suspend these buckets from any given bridge crane.

Card 2/2

S.Sh.

AID P - 5218

Subject : USSR/Aeronautics - education

Card 1/1 Pub. 135 - 4/26

Author : Volynskiy, V. P., Sen. Lt.

Title : Commander-innovator

Periodical : Vest. vozd. flota, 11, 19-22, N 1956

Abstract : It is described how the outstanding commander of a unit, Col. L. V. Zholudev, Hero of the Soviet Union, carries out the training of flying personnel in his unit. One photo. The article is of informative value.

Institution : None

Submitted : No date

VOLYNTSEV, N.A.; SILINA, I.Kh.

Unit for leaching out ceramics from precision steel castings.
Mashinostroitel' no.9:8 S '63. (MIRA 16:10)

(Steel castings)

VOLINTSEV, V.A., inzh.

Chimneys constructed of large reinforced concrete blocks. Nov.tekh.
1 pered. op v stroi. 20 no.5:8-11 My '58. (MIRA 11:5)
(Chimneys) (Precast concrete construction)

VOLYNTSEV, V.A., inzh.; SEREBRENNIKOV, S.S., inzh.

Preventing corrosion of reinforced concrete chimneys. Nov. tekhn. i
pered. op. v stroi. 20 no. 8:15-18 Ag '58. (MIRA 11:7)

(Chimneys)
(Corrosion and anticorrosives)

VOLYNTSEV, Ye., zasluzhennyy uchitel' shkol Rossiyskoy Sotsialisticheskoy Federativnoy Sovetskoy Respubliki (Moscow); GOLUBEV, K. (Moscow); KISELEVA, A. (Moscow) [reviewers]; BOGDANOV, N.M.; BORISOV, S.A.; ERISHOV, I.S.; STRATILATOV, P.V. [authors].

New methodological manual for schools for the working youth ("Problems in teaching mathematics in the 5th - 10th grades of schools for the working youth." N.M.Bogdanov, S.A.Borisov, I.S.Ershov, P.V.Stratilatov. Reviewed by E.Volyntsev, K.Golubev, A.Kiseleva).
Mat.v shkole no.6:74-75 N-D '53. (MLRA 6:12)

(Mathematics--Study and teaching) (Technical education)
(Bogdanov, N.M.) (Borisov, S.A.) (Ershov, I.S.) (Stratilatov, P.V.)

GOLDOVSKIY, Yevsey Mikhaylovich; ZHERDETSKAYA, N.N., redaktor; ~~VOLYNSEVA~~
V.A., tekhnicheskii redaktor

[Principles of broadscreen cinematography] Printsipy shirokoeckran-
nogo kinematografa. Moskva, Gos. izd-vo "Iskusstvo," 1956. 164 p.
(Motion-picture projection) (MLRA 9:10)

VOLYNTSEVA, Z.P.; GLUSHANKOV, S.L.; KETOV, A.N.; PECHKOVSKIY, V.V.;
SHMELEVA, Z.A.

Thermogravimetric analysis in the production technology of
active coals. Zhur. prikl. khim. 38 no.10:2359-2362
0 '65. (MIRA 18:12)

1. Submitted May 23, 1963.

VOLYUSHKO, Yu.S., inzh.

Simple methods for plotting isolines of interlocking profiles.
Vest. mashinostr. 45 no.1:7-10 Ja '65. (MIRA 18:3)

VOLYUSHKO, Yu.S., aspirant

Selecting initial rack profiles for spur gears having period of contact more than two and the pole in the area of a two-pair contact. Izv. vys. ucheb. zav.; mashinostr. no.2:10-22 '65.

(MIRA 18:5)

VOLZHENIN, Boris Sergeyevich; POPOV, Pavel Vasil'yevich; KOROL', A.,
red.; NAGIBIN, P., tekhn. red.

[Noninfectious abortions in sheep] Nezaraznye aborty u
ovets. Alma-Ata, Kazsel'khozgiz, 1962. 36 p. (MIRA 16:5)
(Abortion in animals) (Sheep)

VOLZHENKOV, V.A.; ISTOSHIN, Yu.V., kand. geograficheskikh nauk

The central part of the Pacific Ocean. Mor. sbor. 47 no.3:36-42 Mr
'64. (MIRA 18:7)

VOIZHENKOV, V.A.; ISTOSHIN, Yu.V.

Use of spectral functions for studying the variability of oceanographic characteristics. Trudy TSIP no.142:103-107 '65.

(MIRA 18:10)

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AUTHOR: Volzhenkov, V. A.; Istoshin, Yu. V.

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ORG: none

TITLE: The application of spectral functions to the investigation of variability of oceanographic features

SOURCE: Moscow. Tsentral'nyy institut prognozov. Trudy, no. 142, 1965. Morskiye prognozy i raschety (Marine forecasts and calculations); materialy Vsesoyuznogo soveshchaniya, noyabr' 1963 g., 103-107

TOPIC TAGS: autocorrelation function, ocean dynamics, white noise

ABSTRACT: Temperature and current variability in water masses in time were investigated as a function of oscillation durations of a few hours to a few days on the basis of data obtained from seven stations located in the Atlantic, Indian, and Pacific Oceans and the Barents Sea. The spectral density $S(\omega)$ of a stationary random function was expressed through the correlation function $R(\tau)$ using the Fourier transform

$$S(\omega) = \frac{2}{\pi} \int_0^{\infty} R(\tau) \cos \omega \tau d\tau.$$

Autocorrelation and spectral density function values were plotted after solving the

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integral equation. The selection of the maximum permissible displacement in the evaluation of autocorrelation and spectral density functions was made using the Jukey method (1958). The study shows that 1) in many cases, temperature and current changes are characterized by periodic oscillations; 2) temperature and current oscillations of 12.4 hr periods are activated by tidal forces; 3) oscillations of 13-25 hr periods are of inertial type; and 4) oscillations of 30-33 hr and 70-80 hr periods are stimulated by atmospheric changes. Orig. art. has: 2 figures, 5 formulas.

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GINZBURG, A.I.; VOLZHENKOVA, A.Ya.; POLKUNOV, V.F.

Characteristics of spodumene pegmatites in carbonate rocks. Geol.
rud. mestorozh. no.1:52-60 Ja-F '61. (MIRA 14:4)

1. Vsesoyuznyy institut mineral'nogo syr'ya, Moskva.
(Spodumene)

KOSTIN, N.Ye.; VOLZHENKOVA, A.Ya.

Effect of enclosing rocks on the composition of rare-earth mineralization. Geol. rud. mestorozh. 7 no.1:95-98 Ja-F '65. (MIRA 13:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya, Moskva.